

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,483,474 B2  
APPLICATION NO. : 10/581809  
DATED : January 27, 2009  
INVENTOR(S) : Frank Heinle

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Face of the Patent

Section (57) Abstract, "Stations like mobile terminals, bases stations and network nodes comprising rake receivers with fingers require relatively many calculations to be performed for despreading a symbol. By replacing despreading multipliers, integrators and dumpers in the fingers by Hadamard transformers (62), chips of several symbols with orthogonal channelization codes can be despread simultaneously, and the station and the rake receiver have become more efficient. The despreading section (60 of the finger (34) comprises the Hadamard transformer (62) and a serial-to-parallel converter (61) comprising downsamplers (71-73). The station is a high-speed downlink packet access station (HSDPA) in a universal mobile telecommunication system (UMTS), with a number of de-channelization codes used being at least ten percent of a despreading factor used. For example, the despreading factor used is equal to sixteen, with the maximum possible number of de-channelization codes used being equal to five, ten or fifteen, depending on the capability class of the station." should read as -- Stations like mobile terminals, bases stations and network nodes comprising rake receivers with fingers require relatively many calculations to be performed for despreading a symbol. By replacing despreading multipliers, integrators and dumpers in the fingers by Hadamard transformers, chips of several symbols with orthogonal channelization codes can be despread simultaneously, and the station and the rake receiver become more efficient. The despreading section of the finger comprises the Hadamard transformer and a serial-to-parallel converter comprising downsamplers. The station is a high-speed downlink packet access station (HSDPA) in a universal mobile telecommunication system (UMTS), with a number of de-channelization codes used being at least ten percent of a despreading factor used. For example, the despreading factor used is equal to sixteen, with the maximum possible number of de-channelization codes used being equal to five, ten or fifteen, depending on the capability class of the station. --

Column 6

Lines 62-63, "of de-channelization codes used being at least ten percent of despreading factor used." should read as -- of de-channelization codes used being at least ten percent of a despreading factor used. --

Lines 64-66, "wherein the finger comprise a descrambling section and a despreading section, which despreading section comprise the Hadamard" should read as -- wherein the finger comprises a descrambling section and a despreading section, which despreading section comprises the Hadamard --

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Column 7

Line 5, "despreading section further comprise a serial-parallel" should read as  
-- despreading section further comprises a serial-parallel --

Column 7

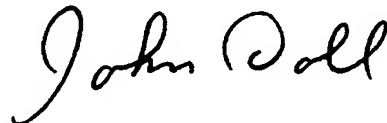
Line 17, "finger and further finger signal destned for the further" should read as  
-- finger and further finger signal destined for the further --

Column 8

Line 17, "providing an output to a Hadamard transformer, wherein, the" should read as  
-- providing an output to a Hadamard transformer, wherein the --

Signed and Sealed this

Second Day of June, 2009



JOHN DOLL  
*Acting Director of the United States Patent and Trademark Office*